

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bjarne Due LARSEN, et al.

U.S.S.N.: Unassigned

EXAMINER: Unassigned

FILED: February 4, 2004

GROUP: Unassigned

FOR: NOVEL ANTIARRHYTHMIC PEPTIDES

CERTIFICATE OF EXPRESS MAIL

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as "Express Mail Post Office to Addressee" Mailing Label No. **EV438994174US** in an envelope addressed to the: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on **February 4, 2004.**

By *Patricia A. Barnes*
Patricia A. Barnes

COMMISSIONER FOR PATENTS
P. O. BOX 1450
ALEXANDRIA, VA 22313-1450

Date: February 4, 2004

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- a. _____ Submitted herewith is a legible copy of (i) each U.S and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b. _____ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. _____, filed on _____. The following references were submitted to, and/or cited by, the Office in the prior application (s) and, therefore, are not required to be provided in this application.

III. CONCISE EXPLANATION OF THE RELEVANCE

(check at least one box)

- a. _____ Except as may be indicated below in (b), all of the patents, publications or other information are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).
- b. _____ A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:
- c. _____ The following additional information is provided for the Examiner's consideration.

FEES

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b)

(check one box)

- a. _____ within three months of the filing date of a national application (37 C.F.R. § 1.97(b) (1). No fee or certification is required.
- b. _____ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2). No fee or certification is required.

- c. ☐ Before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b) (3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below, or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):
(check one box)

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c) (1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c) (2)).

- a. ☐ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
or
b. ☐ See the certification below. No fee is required.

VI. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby states that

- a. ☐ each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

- c. _____ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

_____ Please charge Deposit Account No. 04-1105 in the amount of \$180.00 for the above-indicated fee. A triplicate copy of this paper is attached.

 X No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule; with a petition if necessary, and charge the appropriate fee to Deposit Account No. **04-1105**.

Respectfully submitted,

Date: 4 Feb 2004



Robert L. Buchanan
Reg. No. 40,927
Attorney for Applicant(s)

EDWARDS & ANGELL, LLP
P. O. Box 55874
Boston, MA 02205
Tel: (617) 439-4444
Fax: (617) 439-4170 / 7748
Customer No.: 21874
#432780

FORM PTO-1449		DOCKET NO: 55461-C2 (45487)		SERIAL NO.: Unassigned			
INFORMATION DISCLOSURE STATEMENT		APPLICANT(S): Bjarne Due LARSEN, et al.					
		FILING DATE: February 2, 2004		GROUP NO.: Unassigned			
UNITED STATES PATENT DOCUMENTS							
EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRI ATE
	AA	4,775,743	10/04/88	Mimura et al.			09/10/86
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLAT ION YES/NO
	BA	WO 96/21674	18/07/96	PCT			
	BB	DE 19707854 A 1	03/09/98	Germany			No
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
	CA						
EXAMINER:					DATE:		

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	DOCKET NO: 55461-C2 (45487)	SERIAL NO.: Unassigned
	APPLICANT(S): Bjarne Due Larsen, et al.	
	FILING DATE: February 2, 2004	GROUP NO.: Unassigned

UNITED STATES PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	BA	0 214 659 A	18. 03.87	Europe			Y

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

CA	Y. Kohama, et al. "Effect of N-3-(4-Hydroxyphenyl) propionyl Pro-Pro-Gly-Ala-Gly on Calcium-Induced Arrhythmias", CHEMICAL & PHARMACEUTICAL BULLETIN, Vol. 36, No. 11, 1988, pp. 4597-4599.
CB	S. Dhein, et al. "Therapeutic Potential of Antiarrhythmic Peptides", DRUGS, Vol. 49, No. 6, 1995, pp. 851-855.
CC	B. Kundu "Synthesis, conformational features and biological activity of Pro-3 antiarrhythmic peptide", COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, Vol. 54, No. 3, 1989, pp. 760-771.
CD	B. Weinstein "Chemistry and Biochemistry of Amino Acids, Peptides and Proteins" 1982, MARCEL DEKKER INC., NEW YORK AND BASEL, page 357.

EXAMINER:

DATE: